Table 1. Status Quo and Optimistic E-Cigarette Substitution (5% remain smokers after ten years) with Varying E-Cigarette Risks, The Same Initiation and Cessation Rate as in The Status Quo Scenario, Premature Deaths and Life Years Lost for All Cohorts, Males and Females

	Year						Deaths	% Change		
OUTCOME	2016	2026	2060	2080	2100	Cumulative (2016-2100)	Prevented/ Life Years	relative to status		
	2010	2020	2000	2000	2100	(2010-2100)	Gained*	quo		
			N	VALE				-		
Status Quo										
Premature Deaths	335,120	342,636	229,480	118,041	1,843	18,805,372				
Life Years Lost	4,060,825	4,001,502	1,889,937	475,272	1,144	177,882,604				
Excess risk of 2.5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers										
after ten years										
Premature Deaths	335,120	273,147	164,928	34,741	213	13,830,405	4,974,967	26.5%		
Life Years Lost	4,060,825	2,663,991	924,511	107,853	132	113,313,311	64,569,292	36.3%		
Excess risk of 5%	with the san	ne initiation			the statu	ıs quo scenario	and 5% remai	n smokers		
Premature			arter	ten years						
Deaths	335,120	275,067	166,775	36,798	259	13,969,904	4,835,468	25.7%		
Life Years Lost	4,060,825	2,699,934	948,561	115,957	161	115,015,100	62,867,503	35.3%		
Excess risk of 10%	with the sar	me initiation		n rate as in ten years	the stati	us quo scenario	and 5% rema	in smokers		
Premature	225 420	270.002		<u> </u>	247	44 244 674	4 562 600	24.20/		
Deaths	335,120	278,883	170,361	40,776	347	14,241,674	4,563,698	24.3%		
Life Years Lost	4,060,825	2,771,546	995,900	121 752		440 277 002	59,505,511			
				131,753	215	118,377,093		33.5%		
Excess risk of 25%			and cessatio			, ,				
Excess risk of 25% Premature Deaths			and cessatio	n rate as in		, ,				
Premature	with the sar	me initiation	and cessatio after	n rate as in ten years	the state	us quo scenario	and 5% rema	in smokers		
Premature Deaths	335,120 4,060,825	290,147 2,984,229	and cessatio after 180,326 1,132,103 and cessatio	n rate as in ten years 51,680 176,012 n rate as in	568 353	15,003,375 128,143,850	3,801,997 49,738,754	20.2% 28.0%		
Premature Deaths Life Years Lost	335,120 4,060,825 with the sar	290,147 2,984,229 me initiation	and cessatio after 180,326 1,132,103 and cessatio after	n rate as in ten years 51,680 176,012 n rate as in ten years	568 353 the state	15,003,375 128,143,850 us quo scenario	3,801,997 49,738,754 o and 5% rema	20.2% 28.0% in smokers		
Premature Deaths Life Years Lost Excess risk of 40% Premature Deaths	335,120 4,060,825 with the sar 335,120	290,147 2,984,229 me initiation 301,142	and cessatio after 180,326 1,132,103 and cessatio after 189,250	n rate as in ten years 51,680 176,012 n rate as in ten years 61,203	568 353 the state 740	15,003,375 128,143,850 us quo scenario 15,693,399	3,801,997 49,738,754 o and 5% rema	20.2% 28.0% in smokers		
Premature Deaths Life Years Lost Excess risk of 40% Premature Deaths Life Years Lost	335,120 4,060,825 with the sai 335,120 4,060,825	290,147 2,984,229 me initiation 301,142 3,193,734	and cessatio after 180,326 1,132,103 and cessatio after 189,250 1,260,182	n rate as in ten years 51,680 176,012 n rate as in ten years 61,203 215,948	568 353 the state 740 459	15,003,375 128,143,850 us quo scenario 15,693,399 137,461,001	3,801,997 49,738,754 and 5% rema 3,111,974 40,421,603	20.2% 28.0% in smokers 16.5% 22.7%		
Premature Deaths Life Years Lost Excess risk of 40% Premature Deaths	335,120 4,060,825 with the sai 335,120 4,060,825	290,147 2,984,229 me initiation 301,142 3,193,734	and cessatio after 180,326 1,132,103 and cessatio after 189,250 1,260,182 and cessatio	n rate as in ten years 51,680 176,012 n rate as in ten years 61,203 215,948	568 353 the state 740 459	15,003,375 128,143,850 us quo scenario 15,693,399 137,461,001	3,801,997 49,738,754 and 5% rema 3,111,974 40,421,603	20.2% 28.0% in smokers 16.5% 22.7%		
Premature Deaths Life Years Lost Excess risk of 40% Premature Deaths Life Years Lost	335,120 4,060,825 with the sai 335,120 4,060,825	290,147 2,984,229 me initiation 301,142 3,193,734	and cessatio after 180,326 1,132,103 and cessatio after 189,250 1,260,182 and cessatio	n rate as in ten years 51,680 176,012 n rate as in ten years 61,203 215,948 n rate as in	568 353 the state 740 459	15,003,375 128,143,850 us quo scenario 15,693,399 137,461,001	3,801,997 49,738,754 and 5% rema 3,111,974 40,421,603	20.2% 28.0% in smokers 16.5% 22.7%		

			FI	MALE						
Status Quo										
Premature Deaths	126,468	128,107	87,075	48,996	1,062	7,260,075				
Life Years Lost	1,628,633	1,623,785	736,566	210,321	708	70,756,929				
Excess risk of 2.5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers										
after ten years										
Premature Deaths	126,468	105,151	65,842	18,928	182	5,466,250	1,793,826	24.7%		
Life Years Lost	1,628,633	1,126,632	387,640	64,255	121	46,236,637	24,520,292	34.7%		
Excess risk of 5%	with the san	ne initiation			the statu	s quo scenario	and 5% remai	n smokers		
	Τ		after	ten years						
Premature Deaths	126,468	105,765	66,468	19,600	200	5,514,385	1,745,691	24.0%		
Life Years Lost	1,628,633	1,139,831	396,824	67,341	133	46,890,479	23,866,450	33.7%		
Excess risk of 10%	with the sar	me initiation			the state	us quo scenario	and 5% rema	in smokers		
			after	ten years			Г			
Premature Deaths	126,468	106,988	67,692	20,916	234	5,608,905	1,651,170	22.7%		
Life Years Lost	1,628,633	1,166,156	414,990	73,410	156	48,186,131	22,570,798	31.9%		
Excess risk of 25%	with the sar	me initiation			the state	us quo scenario	and 5% rema	in smokers		
			after	ten years			T			
Premature Deaths	126,468	110,627	71,152	24,640	328	5,879,321	1,380,754	19.0%		
Life Years Lost	1,628,633	1,244,549	467,951	90,833	218	51,980,002	18,776,926	26.5%		
Excess risk of 40%	with the sar	me initiation			the state	us quo scenario	and 5% rema	in smokers		
			after	ten years			Г			
Premature Deaths	126,468	114,218	74,333	28,061	410	6,131,815	1,128,260	15.5%		
Life Years Lost	1,628,633	1,322,079	518,743	107,156	273	55,641,219	15,115,709	21.4%		
Excess risk of 60% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers										
after ten years										
Premature Deaths	126,468	118,930	78,206	32,213	505	6,444,020	816,055	11.2%		
Life Years Lost	1,628,633	1,424,127	583,373	127,364	336	60,330,663	10,426,265	14.7%		

 $[\]hbox{* Life Years gained = Life years lost in status quo-Life years lost in e-cigarette substitution scenario}$

Table 2. Status Quo and Pessimistic E-Cigarette Substitution (10% remain smokers after ten years) with Varying E-Cigarette Risks, 150% Initiation and 50% Cessation Rate as in The Status Quo Scenario, Premature Deaths and Life Years Lost for All Cohorts, Males and Females

	Year					_	Deaths	% Change		
OUTCOME	2016	2026	2060	2080	2100	Cumulative (2016-2100)	Prevented/ Life Years Gained*	relative to status quo		
			M	ALE						
Status Quo										
Premature Deaths	335,120	342,636	229,480	118,041	1,843	18,805,372				
Life Years Lost	4,060,825	4,001,502	1,889,937	475,272	1,144	177,882,604				
Excess risk of 2.5	Excess risk of 2.5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years									
Premature Deaths	335,120	317,502	178,610	49,576	433	15,346,242	3,459,130	18.4%		
Life Years Lost	4,060,825	3,407,263	1,153,048	173,610	269	135,636,176	42,246,428	23.7%		
Excess risk of 59	% with the 15	0% initiation				status quo scei	nario and 10%	remain		
_			smokers af	ter ten yea	rs		T			
Premature Deaths	335,120	318,304	181,296	52,584	526	15,508,631	3,296,741	17.5%		
Life Years Lost	4,060,825	3,424,886	1,186,507	186,898	326	137,379,994	40,502,610	22.8%		
Excess risk of 10	% with the 15	50% initiatior	and 50% ces smokers af			e status quo sce	nario and 10%	remain		
Premature Deaths	335,120	319,896	186,490	58,332	694	15,822,006	2,983,366	15.9%		
Life Years Lost	4,060,825	3,460,031	1,252,281	212,632	431	140,814,080	37,068,524	20.8%		
Excess risk of 25	% with the 15	50% initiation	and 50% ces smokers af			status quo sce	nario and 10%	remain		
Premature Deaths	335,120	324,590	200,767	73,623	1,087	16,679,103	2,126,269	11.3%		
Life Years Lost	4,060,825	3,564,691	1,440,892	283,491	675	150,709,077	27,173,527	15.3%		
Excess risk of 40% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years										
Premature Deaths	335,120	329,168	213,353	86,367	1,350	17,428,433	1,376,939	7.3%		
Life Years Lost	4,060,825	3,668,208	1,617,397	345,703	838	160,038,607	17,843,996	10.0%		
Excess risk of 60	Excess risk of 60% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years									
Premature Deaths	335,120	335,106	227,984	100,126	1,559	18,290,613	514,759	2.7%		
Life Years Lost	4,060,825	3,804,496	1,835,802	416,910	968	171,687,830	6,194,773	3.5%		

			FE	MALE						
Status Quo										
Premature Deaths	126,468	128,107	87,075	48,996	1,062	7,260,075				
Life Years Lost	1,628,633	1,623,785	736,566	210,321	708	70,756,929				
Excess risk of 2.5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain										
smokers after ten years										
Premature Deaths	126,468	126,351	74,197	27,675	377	6,379,736	880,340	12.1%		
Life Years Lost	1,628,633	1,569,467	523,122	106,592	251	60,230,145	10,526,784	14.9%		
Excess risk of 59	% with the 15	0% initiation				status quo scer	nario and 10%	remain		
			smokers a	fter ten yea	rs					
Premature Deaths	126,468	126,404	75,004	28,742	420	6,426,608	833,468	11.5%		
Life Years Lost	1,628,633	1,571,055	535,619	112,275	280	60,761,787	9,995,142	14.1%		
Excess risk of 10	% with the 15	50% initiation				e status quo sce	nario and 10%	remain		
	-		smokers a	fter ten yea	rs	_	T			
Premature Deaths	126,468	126,508	76,588	30,802	500	6,517,851	742,224	10.2%		
Life Years Lost	1,628,633	1,574,228	560,356	123,378	333	61,812,756	8,944,172	12.6%		
Excess risk of 25	% with the 15	50% initiation				status quo sce	nario and 10%	remain		
			smokers a	fter ten yea	rs	-	T			
Premature Deaths	126,468	126,819	81,116	36,433	696	6,773,070	487,006	6.7%		
Life Years Lost	1,628,633	1,583,725	632,584	154,687	464	64,871,171	5,885,757	8.3%		
Excess risk of 40	% with the 15	0% initiation				status quo scei	nario and 10%	remain		
			smokers a	fter ten yea	rs		Γ			
Premature Deaths	126,468	127,129	85,335	41,339	838	7,003,632	256,444	3.5%		
Life Years Lost	1,628,633	1,593,191	701,990	183,223	558	67,796,596	2,960,333	4.2%		
Excess risk of 60% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain										
smokers after ten years										
Premature Deaths	126,468	127,540	90,537	46,933	969	7,278,587	-18,512	-0.3%		
Life Years Lost	1,628,633	1,605,763	790,461	217,405	646	71,507,813	-750,885	-1.1%		

 $[\]hbox{* Life Years gained = Life years lost in status quo-Life years lost in e-cigarette substitution scenario}$